

1. (Currently Amended) A lighting system for the illumination of the interior of aircraft cabins ~~and for providing selective illuminated information, displays and signs~~, comprising an arrangement of light emitting diodes (8.1 - 8.5, 9.1 - 9.5, 10.1 - 10.5, 11.1 - 11.5) which are mounted selectively at or in a cabin wall or ceiling of said aircraft cabins to direct light to the interiors of said aircraft cabins, characterized in that there are provided a plurality of lighting units (4 - 7) which each have a plurality of light emitting diodes connected in series (8.1 - 8.5, 9.1 - 9.5, 10.1 - 10.5, 11.1 - 11.5), the light emitting diodes (8.1 - 8.5, 9.1 - 9.5, 10.1 - 10.5, 11.1 - 11.5) are actuatable by means of pulse width modulation so as to selectively represent flashing, twinkling color change or moving lights, a control device (1) which has a plurality of outputs (2.1 - 2.3), wherein lighting units (4 - 7) to be selectively actuated in various ways are connected to respectively different outputs (2.1 - 2.3) of said control device, and a plurality of regulating modules (12 - 15) are interposed between said control device and said lighting units, each of said regulating modules being connected to respectively one of the outputs (2.1 - 2.3) of said control device, each one of said regulating modules having an output connected to, respectively, a separate one of said lighting units, wherein actuation of the lighting units (4 - 7) is effected independently of each other through operation of the control device (1), each said regulating module (12 - 15) holding the current passing through the light emitting diodes (8.1 - 8.5, 9.1 - 9.5, 10.1 - 10.5, 11.1 - 11.5) of a therewith associated lighting unit (4 - 7) at a constant value.

Claim 2 (Cancelled).

3. (Previously Presented) A lighting system according to claim 1 characterized in that lighting units (4 - 7) which are to be actuated at the same time are connected to an output (2.1 - 2.3) of the control device (1), wherein the lighting units (4 - 7) are electrically connected in parallel with each other.

Claims 4-6 (Cancelled).

7. (Previously Presented) A lighting system according to claim 1 characterized in that the arrangement of light emitting diodes (8.1 - 8.5, 9.1 - 9.5, 10.1 - 10.5, 11.1 - 11.5) are mounted at or in the cabin wall or ceiling of said aircraft cabins so as to facilitate the displaying of signs or images.

Claim 8 (Cancelled).

9. (Previously Presented) Use of the lighting system according to claim 1 as effect-producing lighting, for stimulating a starry sky, for displaying information or for marking localities.

10. (Original) Use according to claim 9 characterised in that actuation of the lighting is effected coupled to events in the aircraft.

11. (Previously Presented) A lighting system according to claim 1, comprising a plurality of said light emitting diodes connected in series in at least one of said lighting units.

12. (Currently Amended) A lighting system for the illumination of the interior of aircraft cabins ~~or for providing selective illuminated information, displays and signs~~, comprising an arrangement of light emitting diodes (8.1 - 8.5, 9.1 - 9.5, 10.1 - 10.5, 11.1 - 11.5) which are mounted at or in a cabin wall or ceiling of said aircraft cabins to direct light to the interiors of said aircraft cabins so as to selectively represent flashing, twinkling color change or moving lights, characterized in that there are provided a plurality of lighting units (4 - 7) which each have a plurality of said light emitting diodes (8.1 - 8.5, 9.1 - 9.5, 10.1 - 10.5, 11.1 - 11.5), connected to an output of a respective one of the plurality of regulating modules (12 - 15), a control device (1) which has a plurality of outputs (2.1 - 2.3), each of said regulating modules (12 - 15) being connected to respectively one of the outputs (2.1 - 2.3) of said control device, wherein the regulating modules (12 - 15) of lighting units (4 - 7) to be selectively actuated in various ways are connected to respectively different outputs (2.1 - 2.3) of said control ~~device~~<sup>4</sup> device, and wherein actuation of the lighting units (4 - 7) is effected independently of each other through operation of the control device (1), each said regulating module (12 - 15) holding the current passing through the light emitting diodes (8.1 - 8.5, 9.1 - 9.5, 10.1 - 10.5, 11.1 - 11.5) of a therewith associated lighting unit (4 - 7) at a constant value.

13. (Previously Presented) A lighting system as claimed in claim 12, wherein each said regulating module (12 - 15) holds the current passing through the light emitting diodes (8.1 - 8.5, 9.1 - 9.5, 10.1 - 10.5, 11.1 - 11.5) of a therewith associated lighting unit (4 - 7) through pulse width modulation.

14. (Previously Presented) A lighting system according to claim 12 characterized in that lighting units (4 - 7) which are to be actuated at the same time are connected to an output (2.1 - 2.3) of the control device (1), wherein the lighting units (4 - 7) are electrically connected in parallel with each other.

15. (Previously Presented) A lighting system according to claim 12 characterized in that the arrangement of light emitting diodes (8.1 - 8.5, 9.1 - 9.5, 10.1 - 10.5, 11.1 - 11.5) are mounted at or in the cabin wall or ceiling of said aircraft cabins so as to facilitate the displaying of signs or images.

Claim 16 (Cancelled).

17. (Previously Presented) Use of the lighting system according to claim 12 as effect-producing lighting, for stimulating a starry sky, for displaying information or for marking localities.

18. (Previously Presented) Use according to claim 12 characterized in that actuation of the lighting is effected coupled to events in the aircraft.

19. (Previously Presented) A lighting system according to claim 12, comprising a plurality of said light emitting diodes connected in series in at least one of said lighting units.

20. (Currently Amended) A lighting system for the illumination of the interior of aircraft cabins ~~or for providing selective illuminated information, displays and signs~~, comprising an arrangement of light emitting diodes (8.1 - 8.5, 9.1 - 9.5, 10.1 - 10.5, 11.1 - 11.5) which are mounted at or in a cabin wall or ceiling of said aircraft cabins to direct light to the interiors of said aircraft cabins, characterized in that there are provided a plurality of lighting units (4 - 7) which each have a plurality of said light emitting diodes (8.1 - 8.5, 9.1 - 9.5, 10.1 - 10.5, 11.1 - 11.5), connected to an output of a respective one of the plurality of regulating modules (12 - 15) and which are actuatable so as to selectively represent flashing, twinkling color change or moving lights, a control device (1) which has a plurality of outputs (2.1 - 2.3), each of said regulating modules (12 - 15) being connected to respectively one of the outputs (2.1 - 2.3) of said control device, wherein the regulating modules (12 - 15) of lighting units (4 - 7) to be selectively actuated in various ways are connected to respectively different outputs (2.1 - 2.3) of said control ~~device~~<sup>4</sup> device, and wherein actuation of the lighting units (4 - 7) is effected independently of each other through operation of the control device (1), each said regulating module (12 - 15) holding the current passing through the light emitting diodes (8.1 - 8.5, 9.1 - 9.5, 10.1 - 10.5, 11.1 - 11.5) of a therewith associated lighting unit (4 - 7) by means of pulse modulation.

21. (Previously Presented) A lighting system according to claim 20, wherein each said regulating module (12 - 15) holds the current passing through the light emitting diodes (8.1 - 8.5, 9.1 - 9.5, 10.1 - 10.5, 11.1 - 11.5) of a therewith associated lighting unit (4 - 7) at a constant value.

22. (Previously Presented) A lighting system according to claim 20 characterized in that lighting units (4 - 7) which are to be actuated at the same time are connected to an output (2.1 - 2.3) of the control device (1), wherein the lighting units (4 - 7) are electrically connected in parallel with each other.

23. (Previously Presented) A lighting system according to claim 20 characterized in that the arrangement of light emitting diodes (8.1 - 8.5, 9.1 - 9.5, 10.1 - 10.5, 11.1 - 11.5) are mounted at or in the cabin wall or ceiling of said aircraft cabins so as to facilitate the displaying of signs or images.

Claim 24 (Cancelled).

25. (Previously Presented) Use of the lighting system according to claim 20 as effect-producing lighting, for stimulating a starry sky, for displaying information or for marking localities.

26. (Previously Presented) Use according to claim 20 characterized in that actuation of the lighting is effected coupled to events in the aircraft.

27. (Previously Presented) A lighting system according to claim 20, comprising a plurality of said light emitting diodes connected in series in at least one of said lighting units.